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(54) Title: FILAMENTOUS FUNGAL MUTANTS WITH IMPROVED HOMOLOGOUS RECOMBINATION EFFICIENCY

(57) Abstract: The present invention relates to a method for increasing the efficiency of targeted integration of a polynucleotide to a pre-determined site into the genome of a filamentous fungal cell with a preference for NHR, wherein said polynucleotide has a region of homology with said pre-determined site, comprising steering an integration pathway towards HR. The present invention also relates to a mutant filamentous fungus originating from a parent cell, said mutant having an HR pathway with elevated efficiency and/or an NHR pathway with a lowered efficiency and/or a NHR/HR ratio with decreased efficiency as compared to said HR and/or NHR efficiency and/or NHR/HR ratio of said parent cell under the same conditions.

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